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PATENT

Applicant: HYUN-DOO SHIN; B.S. MANJUNATH; PENG WU  
Serial No.: 09/822,853  
Filed: APRIL 2, 2001  
Title: METHOD AND DEVICE FOR MEASURING SIMILARITY BETWEEN IMAGES  
Group:  
Examiner:  
Docket No. Q59547 (UC01-184-2)

**COMBINED DECLARATION AND POWER OF ATTORNEY**

(ORIGINAL, DESIGN, SUPPLEMENTAL, NATIONAL STAGE OF PCT, DIVISIONAL,  
CONTINUATION OR CONTINUATION-IN-PART)

As a below named inventor, I hereby declare that:

**TYPE OF DECLARATION**

This declaration is of the following type:

- ☒ original (regular)
- ☐ design
- ☐ supplemental-continuation of PCT Application in the U.S.

NOTE: If the declaration is for an International Application being filed as a divisional, continuation, or continuation-in-part, do not check the next item; check appropriate one of last three items.

- ☐ national stage of PCT
- ☐ divisional
- ☐ continuation
- ☐ continuation-in-part

**INVENTORSHIP IDENTIFICATION**

WARNING: If the inventors are each not the inventors of all of the claims, an explanation of the facts, including the ownership of all the claims at the time the last claimed invention was made, should be submitted.

My residence, post office address, and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention described in

### SPECIFICATION IDENTIFICATION

- ☐ the specification filed herewith by the above-named inventors, with the title listed above.
- ☐ the specification filed herewith by the above-named inventors, with the title listed above, and which was amended by the Preliminary Amendment filed herewith.
- ☐ the specification identified above, as amended by the Preliminary Amendment filed herewith.
- ☒ the specification identified above, and which was amended on N/A.
- ☐ PCT International Application No. \_\_\_\_\_ filed on \_\_\_\_\_, and amended under PCT Article 19 on \_\_\_\_\_ (if applicable).

### ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56.

### PRIORITY CLAIM (35 U.S.C. § 119(a)-(d))

I hereby claim foreign priority benefits under 35 U.S.C. §§ 119(a)-(d) of any foreign application(s) for patent or inventor's certificate or under 35 U.S.C. § 365(b) of any PCT international application(s) designating at least one country other than the United States of America listed below, and have also identified below any foreign application(s) or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

- ☒ no such applications have been filed.
- ☐ such application have been filed as follows.

### PRIOR FOREIGN/PCT APPLICATION(S) FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS APPLICATION AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. § 119(a)-(d)

COUNTRY (OR INDICATE IF PCT)	APPLICATION NUMBER	FILING DATE (day, month, year)	PRIORITY CLAIMED UNDER 37 U.S.C. § 119	
KOREA	00-48324	21 AUGUST 2000	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
EPO	01303087.9	30 MARCH 2001	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
JAPAN	2001-165519	31 MAY 2001	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
			<input type="checkbox"/> YES	<input type="checkbox"/> NO

**CLAIM FOR BENEFIT OF PRIOR U.S. PROVISIONAL APPLICATION(S)  
(35 U.S.C. § 119(e))**

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional applications (s) listed below:

PROVISIONAL APPLICATION SERIAL NUMBER      FILING DATE OF PROVISIONAL APPLICATION

60/207,958	MAY 31, 2000

**CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATIONS  
UNDER 35 U.S.C. 120**

(complete this part only if this is a divisional, continuation, CIP or national stage of PCT)

I/We hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability under 37 C.F.R. § 1.56, which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

**PRIOR U.S. APPLICATIONS OR PCT INTERNATIONAL APPLICATIONS  
DESIGNATING THE U.S. FOR BENEFIT UNDER 35 U.S.C. 120:**

**1. U.S. Applications:**

SERIAL NUMBER	FILING DATE

**2. PCT Applications Designating The U.S.**

PCT APPLICATION NUMBER	PCT FILING DATE	U.S. SERIAL NUMBER

### POWER OF ATTORNEY

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the United States Patent and Trademark Office connected therewith.

John P. O'Banion  
James M. Ritchey  
Darryl Mexic  
Peter A. McKenna  
Paul F. Niles  
Steven L. Smith  
Rodger H. Rast

Registration No. 33,201  
Registration No. 32,594  
Registration No. 23,063  
Registration No. 38,551  
Registration No. 33,102  
Registration No. 44,343  
Registration No. 45,853

— Attached as part of this declaration and power of attorney is the authorization of the above-named attorney to accept and follow instructions from my representative(s).

---

#### SEND CORRESPONDENCE TO:

Darryl Mexic  
SUGHRUE, MION, ZINN, MACPEAK & SEALS  
2100 Pennsylvania Avenue, NW  
Washington, D.C. 20037-3213

#### DIRECT TELEPHONE CALLS TO:

Darryl Mexic  
(202) 293-7060

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### DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

### SIGNATURE(S)

Full name of sole or first inventor: BANGALORE S. MANJUNATH

Inventor's Signature: 

Date: 06/21/07 Country of Citizenship: INDIA

Residence: SANTA BARBARA, CALIFORNIA 93108-9560

P.O. Address: 1071 N. PATTERSON AVENUE  
SANTA BARBARA, CA 93108-9560

Full name of second joint inventor, if any: PENG WU

Inventor's Signature: \_\_\_\_\_

Date: June 27, 2001

Country of Citizenship: CHINA (PRC)

Residence: SANTA BARBARA, CALIFORNIA 93108-9560

P.O. Address: DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING  
UNIVERSITY OF CALIFORNIA  
SANTA BARBARA, CA 93108-9560

CHECK PROPER BOX(ES) FOR ANY OF THE FOLLOWING ADDED PAGE(S) WHICH FORM A PART  
OF THIS DECLARATION

- ☐ Signature for third and subsequent joint inventors.  
Number of pages added \_\_\_\_\_.
- ☐ Signature by administrator(trix), executor(trix) or legal representative for deceased or  
incapacitated inventor.  
Number of pages added \_\_\_\_\_.
- ☐ Signature for inventor who refuses to sign or cannot be reached by person authorized  
under 37 CFR 1.47.  
Number of pages added \_\_\_\_\_.
- ☐ Signature by one joint inventor on behalf of deceased inventor(s) where legal  
representative cannot be appointed in time under 37 CFR 1.47.  
Number of pages added \_\_\_\_\_.
- ☐ Authorization of attorney(s) to accept and follow instructions from representative.

☒ This Declaration ends with this page.

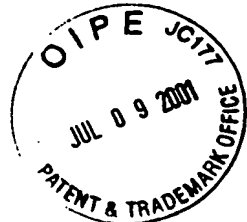
#3

# Declaration and Power of Attorney For Patent Application

출원서원본상의 선서서와 위임장

Korean Language Declaration

한국어 선서서



하기한 발명자인 본인은 다음과 같이 선서합니다:

본인의 주소, 우편주소 및 국적은 본인의 이름 밑에 기재된 바와 같습니다.

본인은 아래에 기재된 발명에 대한 최초의 단독발명자 (단 한사람의 이름이 아래에 기재되었을 경우) 또는 공동발명자 (복수의 발명자가 아래에 기재되었을 경우) 라고 믿습니다.

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled  
METHOD AND DEVICE FOR MEASURING

SIMILARITY BETWEEN IMAGES

아래 박스에 표시가 되어있지 않는 한  
특허설명서는 여기에 첨부되어 있음:

☐ \_\_월 \_\_일 미국출원번호 또는 PCT국제출원번호  
\_\_\_\_로 출원되었으며  
\_\_월 \_\_일 수정되었습니다.  
(만약 적용가능하면)

the specification of which is attached hereto unless the following box is checked:

☒ was filed on 2 April 2001  
as United States Application Number or  
PCT International Application Number  
0978227853 and was amended on  
\_\_\_\_ (if Applicable).

본인은 상기 수정출원을 포함하여 특허설명서 내용을 검토하였으며 잘 파악하고 있음을 선서합니다.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

본인은 연방규정법전 37장 1.56편에 따라 특허자격에 있어 중요한 정보자료를 밝히는 것이 본인의 의무임을 인정합니다.

I acknowledge the duty to disclose information which is material to patentability as defined in the Title 37, Code of Federal Regulations, Section 1.56.

# Korean Language Declaration 한국어 선편서

본인은 미합중국법전 35장 119(a)-(d)편 또는 특허 또는 발명자 증명서 위한 그 어떤 외국출원의 365(b)편 또는 미국 이외에 최소한 한 국가를 지정하는 PCT국제출원의 365(a)편하의 외국우선권을 주장합니다. 아래 박스에 표시함으로써 기재하고 확인합니다.

## Prior Foreign Application(s)

이전의 외국 출원  
00-48324

Rep. of Korea

(Number) (번호)

(Country) (국명)

(Number) (번호)

(Country) (국명)

(Number) (번호)

(Country) (국명)

본인은 미합중국법전 35장, 아래에 기재한 그 어떤 미국출원의 119(e)편하의 권한을 주장합니다.

60/207,958

31/May/2000

(Application No.) (출원번호)

(Filing Date) (출원일)

본인은 미합중국법전 35장, 그 어떤 미국출원의 120 편 또는 미국을 지정하는 그 어떤 PCT국제출원의 365(c)편하의 권한을 주장합니다. 미합중국법전 35장 112편의 첫단락에 제시된 방법에 따라 이전의 미국 또는 PCT국제출원에 이제까지 기재된 본출원 내용은 밝혀지지 않았습니다. 본인은 연방규정법전 37장 1.56편에 따라 이전출원의 출원일과 국내 또는 PCT국제출원의 출원일사이의 유효된 특허자격에 있어 중요한 정보자료를 밝히는 것이 본인의 의무임을 인정합니다.

(Application No.) (출원번호)

(Filing Date) (출원일)

(Application No.) (출원번호)

(Filing Date) (출원일)

본인이 아는 바에 의하면 여기에 작성된 모든 기재사항들과 정보자료로 제출한 모든 기재사항들은 진실된 것임을 선언하며, 그리고 이러한 진술이 고의적인 허위진술이거나 이와 비슷한 경우에는 미합중국법전 18장 1001 편에 따라 벌금이나 징역형 또는 그 병과형으로 처벌되며, 허위진술은 본출원의 유효성이나 발권된 특허증을 위태롭게 할 수도 있다는 점을 선편합니다.

I hereby claim foreign priority under Title 35, United States Code, Section 119 (a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application having a filing date before that of the application on which priority is claimed.

Priority Not Claimed  
우선권 주장안함

21/August/2000

(Day/Month/Year Filed) (출원년월일)

(Day/Month/Year Filed) (출원년월일)

(Day/Month/Year Filed) (출원년월일)

I hereby claim the benefit under Title 35, United States Code, Section 119(e) of any United States provisional application(s) listed below.

(Application No.) (출원번호)

(Filing Date) (출원일)

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s), or 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code Section 112. I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of application.

(Status: Patented, Pending, Abandoned) (현황: 특허완료, 심사중, 포기됨)

(Status: Patented, Pending, Abandoned) (현황: 특허완료, 심사중, 포기됨)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

**Korean Language Declaration**  
**한국어 선포서**

취임장: 본인은 출원권과 관련된 모든 사무를 처리하기 위하여 대리인을 지명합니다. 상기 각자는 대리인으로서 업무처리가 되어있는 대리인을 지명할 전권을 갖습니다. (성명 및 등록번호 기재)

**POWER OF ATTORNEY:** As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith (list name and registration number)

I hereby appoint John M. Mion, Reg. No. 18,879; Donald E. Zinn, Reg. No. 19,046; Thomas J. Macpeak, Reg. No. 19,282; Robert J. Seas, Jr., Reg. No. 21,092; Darryl Mads, Reg. No. 23,063; Robert V. Sloan, Reg. No. 22,773; Peter D. Dixey, Reg. No. 24,313; J. Frank Osha, Reg. No. 24,628; Waddell A. Baggart, Reg. No. 24,861; Robert G. McMonrow, Reg. No. 19,093; Louis Gubinsky, Reg. No. 24,835; Neil B. Siegel, Reg. No. 25,200; David J. Cushing, Reg. No. 28,703; John R. Irigo, Reg. No. 28,918; Joseph J. Ruch, Jr., Reg. No. 26,577; Sheldon I. Landsman, Reg. No. 25,430; Richard C. Turner, Reg. No. 29,710; Howard L. Bernstein, Reg. No. 28,686; Alan J. Kasper, Reg. No. 25,428; Kenneth J. Burchfiel, Reg. No. 31,333; Gordon Kt, Reg. No. 30,764; Susan J. Mack, Reg. No. 30,851; Frank L. Bernstein, Reg. No. 31,484; Mark Boland, Reg. No. 32,197; William H. Mandir, Reg. No. 32,168; Scott M. Daniels, Reg. No. 32,562; Brian W. Hannon, Reg. No. 32,778; Abraham J. Rosner, Reg. No. 33,276; Bruce E. Kramer, Reg. No. 33,725; Paul F. Nails, Reg. No. 33,102; and Brett S. Sylvester, Reg. No. 32,755, my attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith, and request that all correspondence about the application be addressed to SUGHRUE, MION, ZINN, MACPEAK & SEAS, PLLC, 2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3202.

서신을 위한 주소:

Send Correspondence to:  
SUGHRUE, MION, ZINN, MACPEAK & SEAS, PLLC  
2100 Pennsylvania Avenue, N.W.  
Washington, D.C. 20037-3202  
(202) 293-7060

직통전화번호: (성명 및 전화번호)

Direct Telephone Calls to: (name and phone number)

단독 혹은 처음발명자의 성명	Full name of sole or first inventor Hyun-doo Shin
발명자의 서명	Inventor's signature Date <i>Shin Hyun Doo</i> 4 July 2001
거주지	Residence 510-1302 Mugigae Maeul Cheonggu Apt., 221 Kumi-dong, Pundang-gu, Seongnam-city, Kyungki-do, Rep. of Korea
국적	Citizenship Rep. of Korea
우편주소	Post Office Address Same as Residence
후대발명자 없음(한약 있음)	Full name of second joint inventor, if any Yang-lim Choi
후대발명자의 서명	Second inventor's signature Date <i>Choi Yang Lim</i> 4 July 2001
거주지	Residence 102-1112 Wooman Sunkyung Apt. 105 Wooman-dong, Paldal-gu, Suwon-city, Kyungki-do Rep. of Korea
국적	Citizenship Rep. of Korea
우편주소	Post Office Address Same as Residence

(세번째와 그의 합동발명자의 위와 비슷한  
기재사항과 서명을 제공하십시오.)

(Supply similar information and signature for third and  
subsequent joint inventors.)

BEST AVAILABLE COPY